

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:
 - supplying a signal to a filter and filtering the signal;
 - amplifying the signal before the step of filtering the signal;
 - supplying the filtered signal to a comparator which comprises the data slicer;
 - passing the signal prior to filtering through an RC circuit; and
 - using only the output of the RC circuit and no part of the filtered signal as the reference voltage for the comparator.
2. (Original) A method as set forth in claim 1, wherein the filter is a low pass filter.
3. (Original) A method as set forth in claim 1, wherein the data slicer forms part of a cascaded RF receiver system.
4. (Original) A method as set forth in claim 1, wherein the signal is an IF (Intermediate Frequency) signal.
5. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:
 - supplying a signal to a filter and filtering the signal;
 - supplying the filtered signal to a comparator which comprises the data slicer;
 - passing the signal prior to filtering through an RC circuit; and
 - using only the output of the RC circuit and no part of the filtered signal as the reference voltage for the comparator;
 - wherein the signal is an IF (Intermediate Frequency) signal and the frequency of the signal is up to about 4 KHz.

6. (Cancelled)

7. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:

- supplying a signal to a filter and filtering the signal;
- supplying the filtered signal to a comparator which comprises the data slicer;
- passing the signal prior to filtering through an RC circuit;
- using only the output of the RC circuit and no part of the filtered signal as the reference voltage for the comparator; and
- adjusting a value of a capacitor comprising the RC circuit.

8. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:

- supplying a signal to a filter and filtering the signal;
- supplying the filtered signal to a comparator which comprises the data slicer;
- passing the signal prior to filtering through an RC circuit;
- using only the output of the RC circuit and no part of the filtered signal as the reference voltage for the comparator; and
- adjusting a value of a resistor of the RC circuit.

9. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:

- supplying a signal to a filter and filtering the signal;
- supplying the filtered signal to a comparator which comprises the data slicer;
- passing the signal prior to filtering through an RC circuit;
- using only the output of the RC circuit and no part of the filtered signal as the reference voltage for the comparator; and
- adjusting values of at least one of a resistor and a capacitor of the RC circuit in order to modulate the reference voltage supplied to the comparator.

10. – 13. (Canceled).

14. (Currently Amended) A circuit comprising:
a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source, wherein the signal is amplified before being input into the filter; and
a reference voltage circuit connected to the comparator and configured to produce a comparator reference voltage, the reference voltage circuit comprising a resistor and a capacitor, the resistor being connected to a point between the source and the filter so as to be responsive a signal which is being supplied to the filter in which the signal, prior to being filtered by the filter, is supplied as an only signal input to the reference voltage circuit in order to produce the comparator reference voltage.

15. (Original) A circuit as set forth in claim 14, wherein the source of the IF frequency signal comprises an ASK/FSK switch.

16. (Original) A circuit as set forth in claim 14, wherein the source of an IF frequency signal, filter and comparator serially connected with the source, comprise elements of an internal stage of a chip.

17. (Currently Amended) A circuit comprising:
a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source;
a reference voltage circuit connected to the comparator and configured to produce a comparator reference voltage, the reference voltage circuit comprising a resistor and a capacitor, the resistor being connected to a point between the source and the filter so as to be responsive to a signal which is being supplied to the filter in which the signal, prior to being filtered by the filter, is supplied as an only signal input to the reference voltage circuit in order to produce the comparator reference voltage,
wherein the source of an IF frequency signal, filter and comparator serially connected with the source, comprise elements of an internal stage of a chip and the resistor of the reference voltage circuit is an internal element of the chip.

18. (Original) A circuit as set forth in claim 16, wherein the capacitor of the reference voltage circuit comprises part of an external stage of the chip.

19. (Original) A circuit as set forth in claim 16, wherein the resistance and the capacitor of the reference voltage circuit comprise parts of the an external stage of the chip.

20. (Currently Amended) A circuit comprising:
a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source, wherein the signal is amplified before being input into the filter; and
a reference voltage circuit connected to the comparator and configured to respond to a signal having a component which is comparable with a component filtered by the filter in which the signal, prior to being filtered by the filter, is supplied as an only signal input to the reference voltage circuit in order to produce the comparator reference voltage.

21. (Original) A circuit as set forth in claim 20, wherein the circuit forms part of a wireless communication device.

22. (Original) A circuit as set forth in claim 21, wherein the wireless communication device comprises a keyless entry system for an automotive vehicle.

23. (Original) A circuit as set forth in claim 21, wherein the wireless communication device comprises a tire pressure monitoring system for an automotive vehicle.